FIG. 1

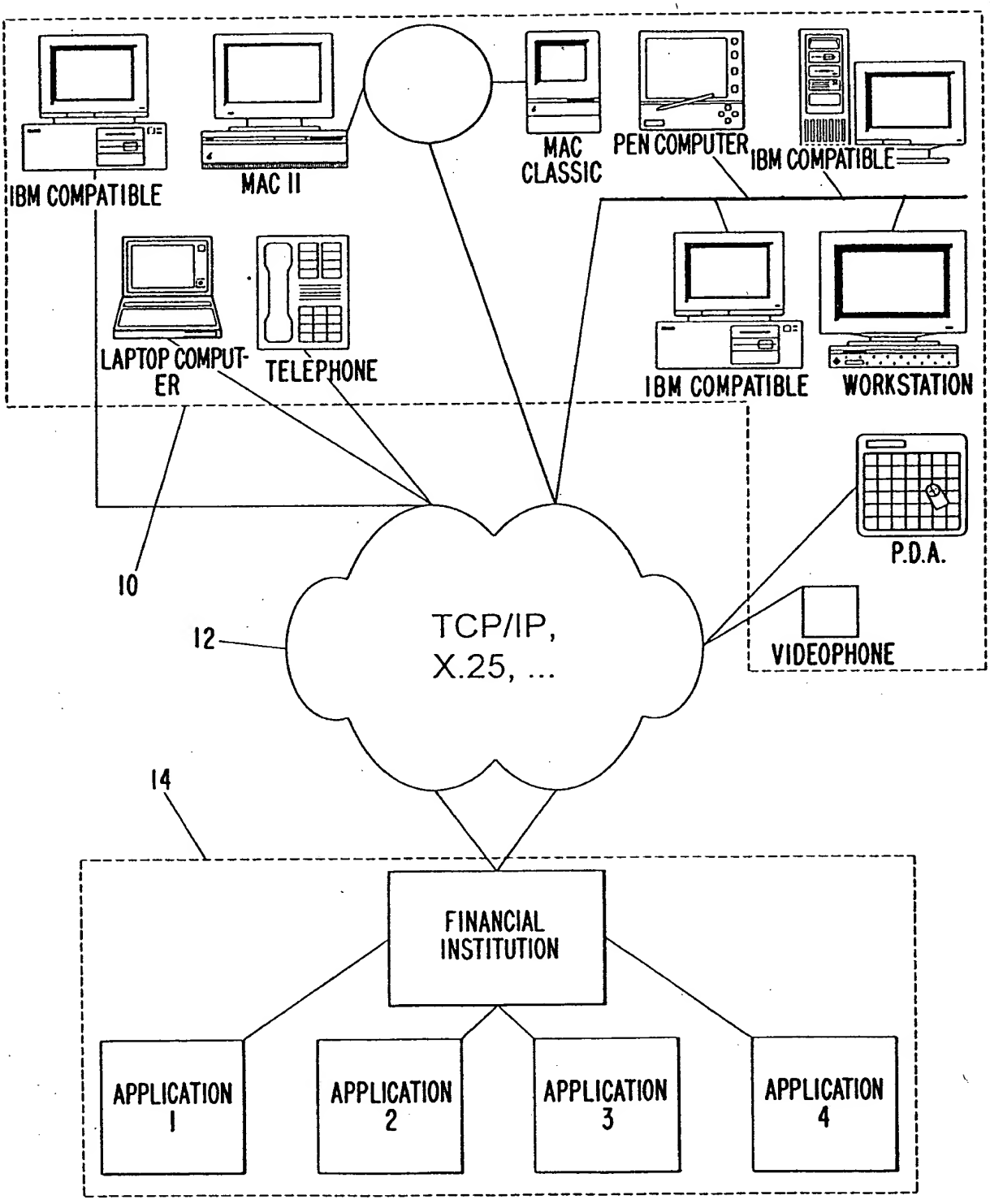

IBM COMPATIBLE
MAC II
MAC CLASSIC
PEN COMPUTER
IBM COMPATIBLE
LAPTOP COMPUTER
TELEPHONE
IBM COMPATIBLE
WORKSTATION
P.D.A.
10
12
TCP/IP, X.25, ...
VIDEOPHONE
14
FINANCIAL INSTITUTION
APPLICATION 1
APPLICATION 2
APPLICATION 3
APPLICATION 4

FIG. 2

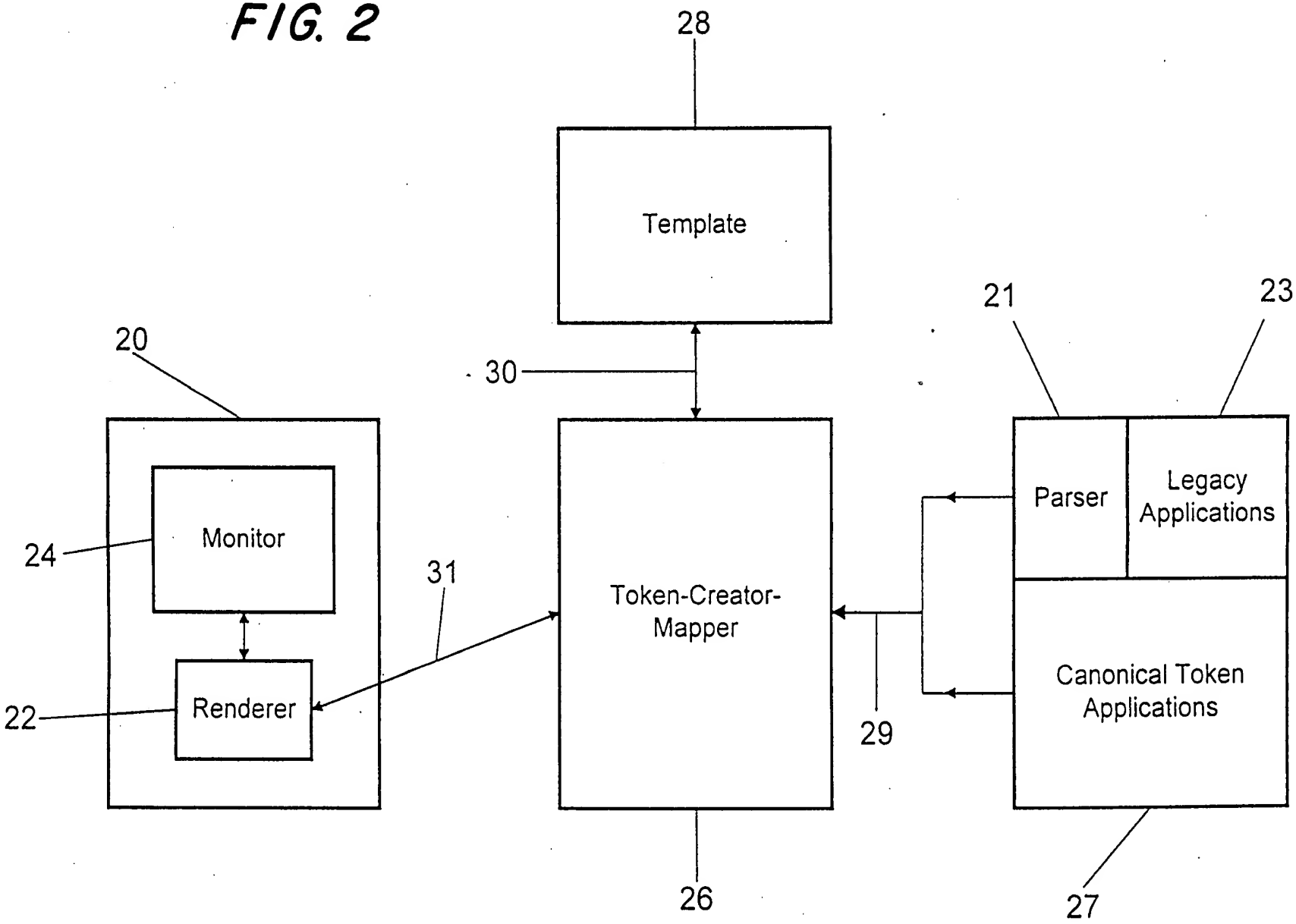

28
Template
30
20
21
23
Monitor
24
31
Renderer
22
Token-Creator-Mapper
Parser
Legacy Applications
Canonical Token Applications
29
26
27

FIG. 3

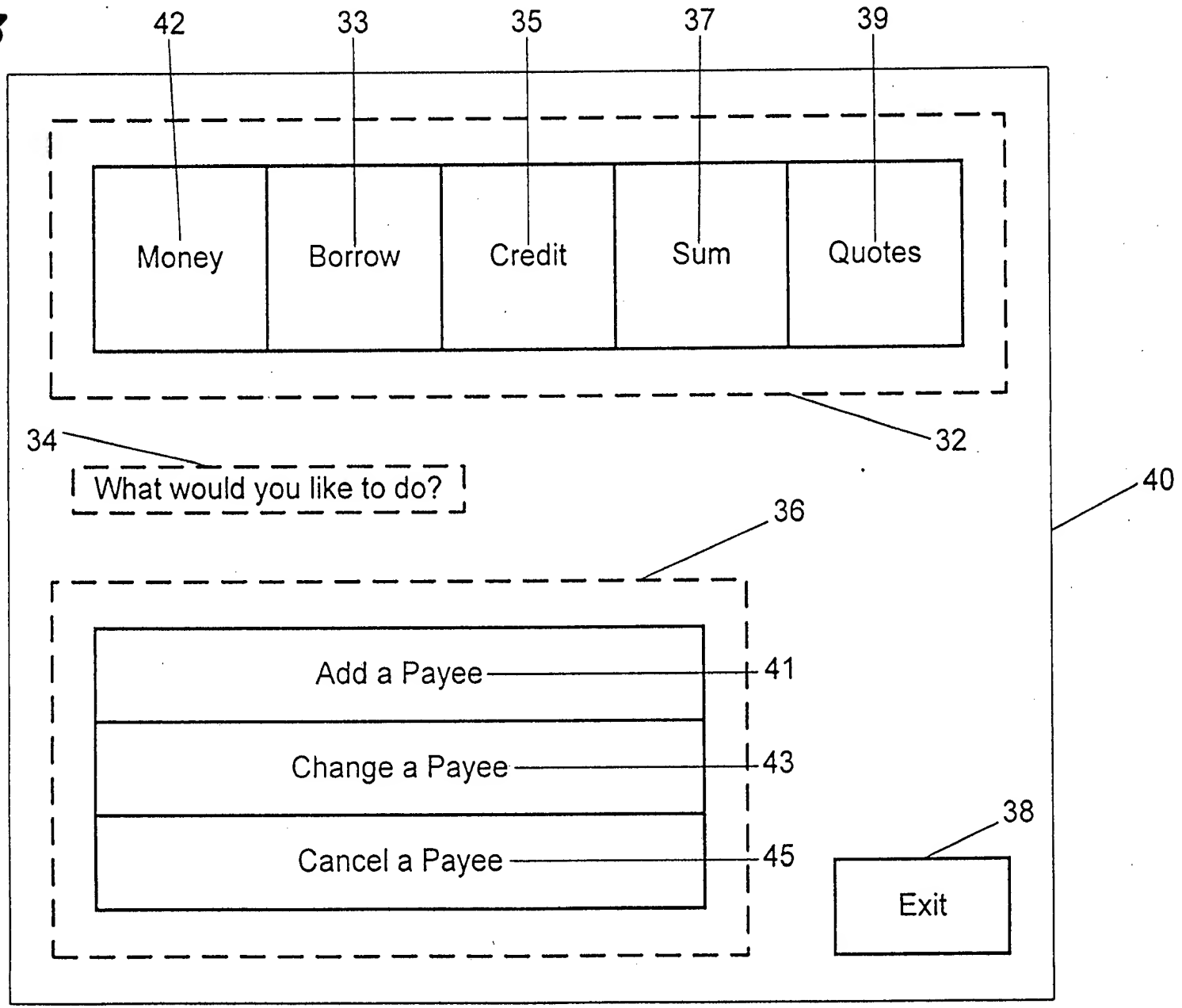

42
33
35
37
39
Money
Borrow
Credit
Sum
Quotes
32
34
What would you like to do?
40
36
Add a Payee
41
Change a Payee
43
Cancel a Payee
45
38
Exit

FIG. 4

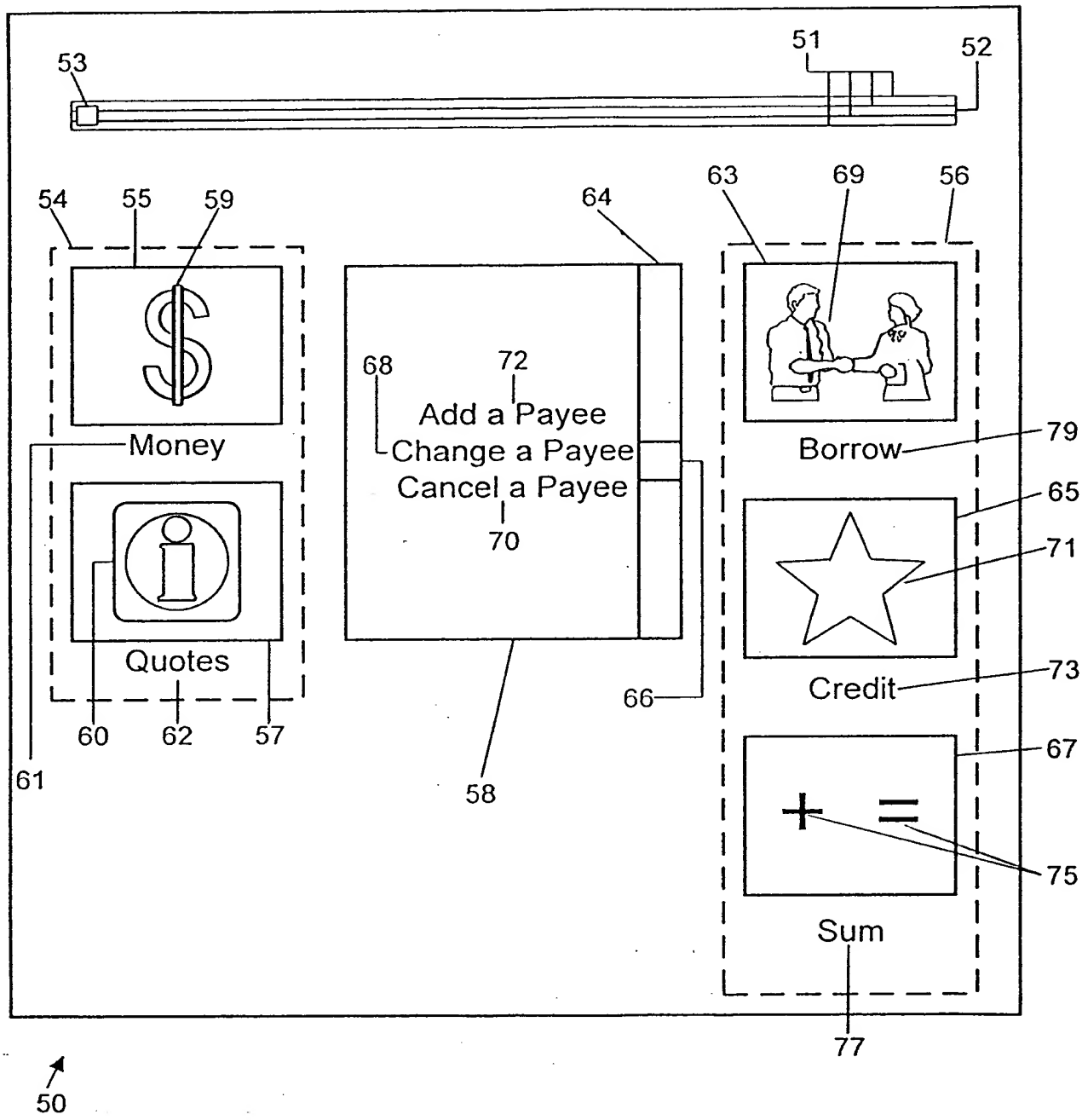

53
51
52
54
55
59
64
63
69
56
Money
Add a Payee
Change a Payee
Cancel a Payee
68
72
70
Borrow
79
65
71
Quotes
Credit
73
66
67
75
Sum
60
62
57
61
58
77
50

FIG. 5

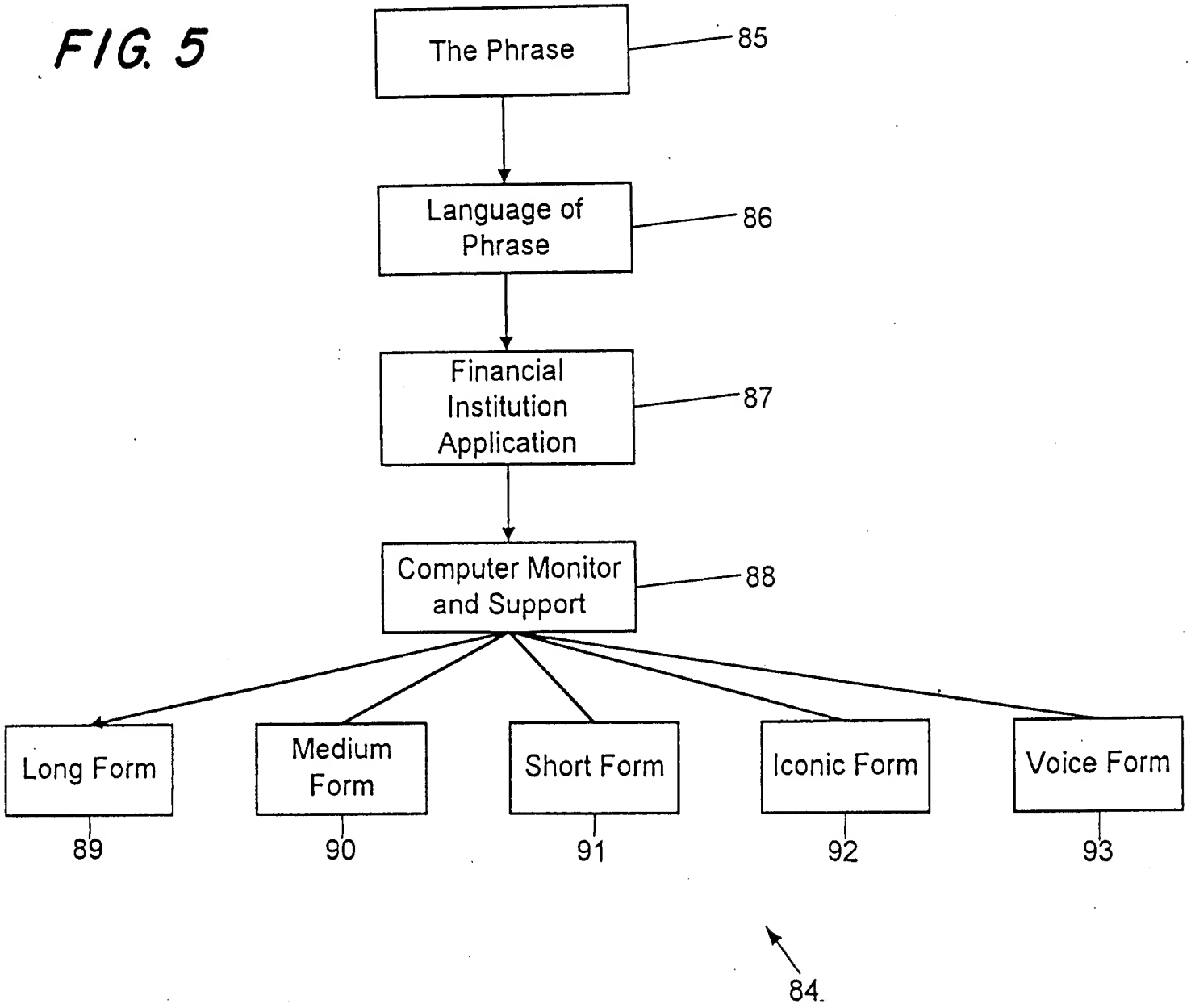

The Phrase
85
Language of Phrase
86
Financial Institution Application
87
Computer Monitor and Support
88
Long Form
89
Medium Form
90
Short Form
91
Iconic Form
92
Voice Form
93
84

FIG. 6

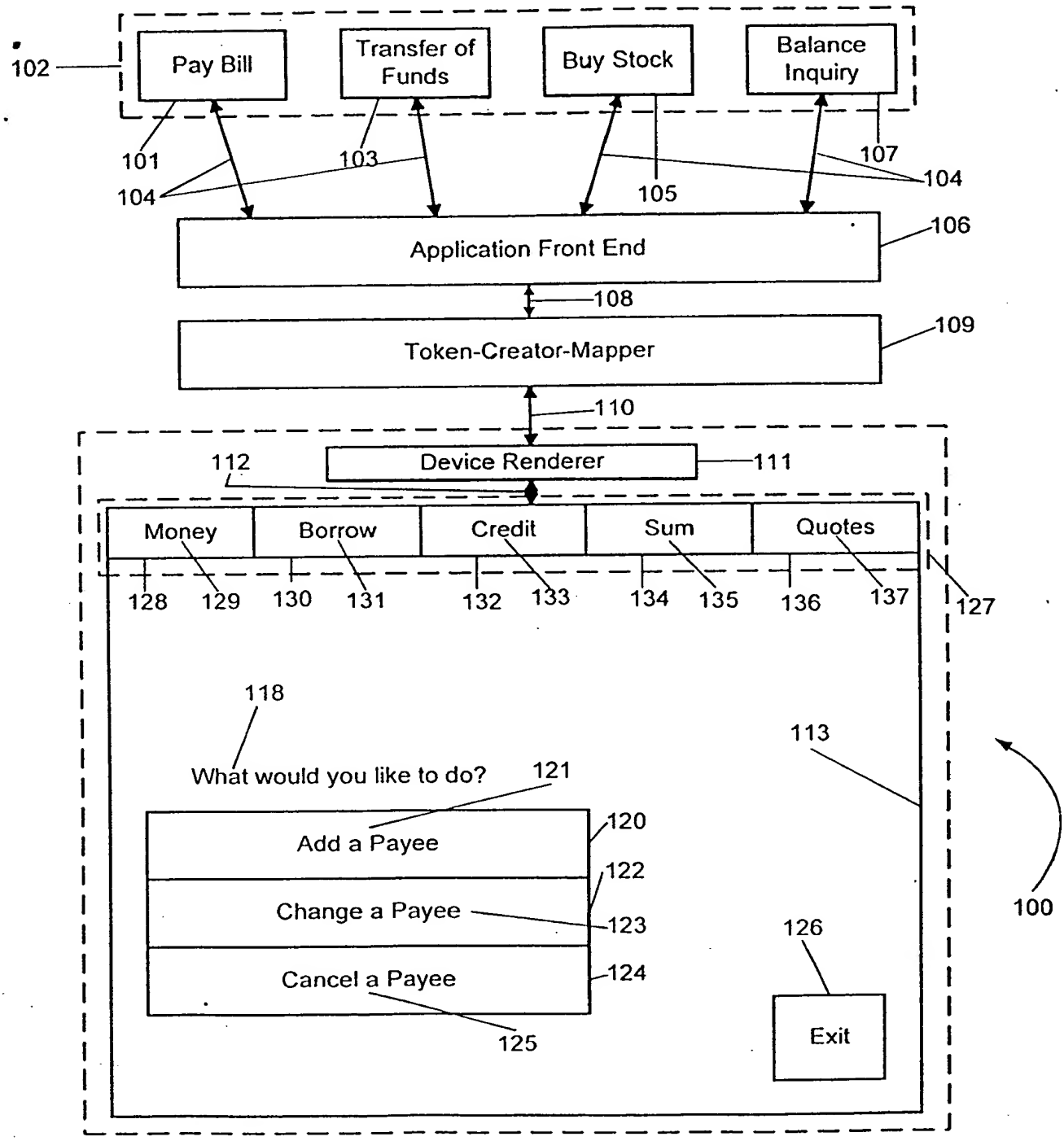

102
Pay Bill
Transfer of Funds
Buy Stock
Balance Inquiry
101
103
104
104
105
107
104
Application Front End
106
108
Token-Creator-Mapper
109
110
112
Device Renderer
111
Money
Borrow
Credit
Sum
Quotes
128
129
130
131
132
133
134
135
136
137
127
118
What would you like to do?
121
113
Add a Payee
120
Change a Payee
122
123
Cancel a Payee
124
125
126
Exit
100

FIG. 7

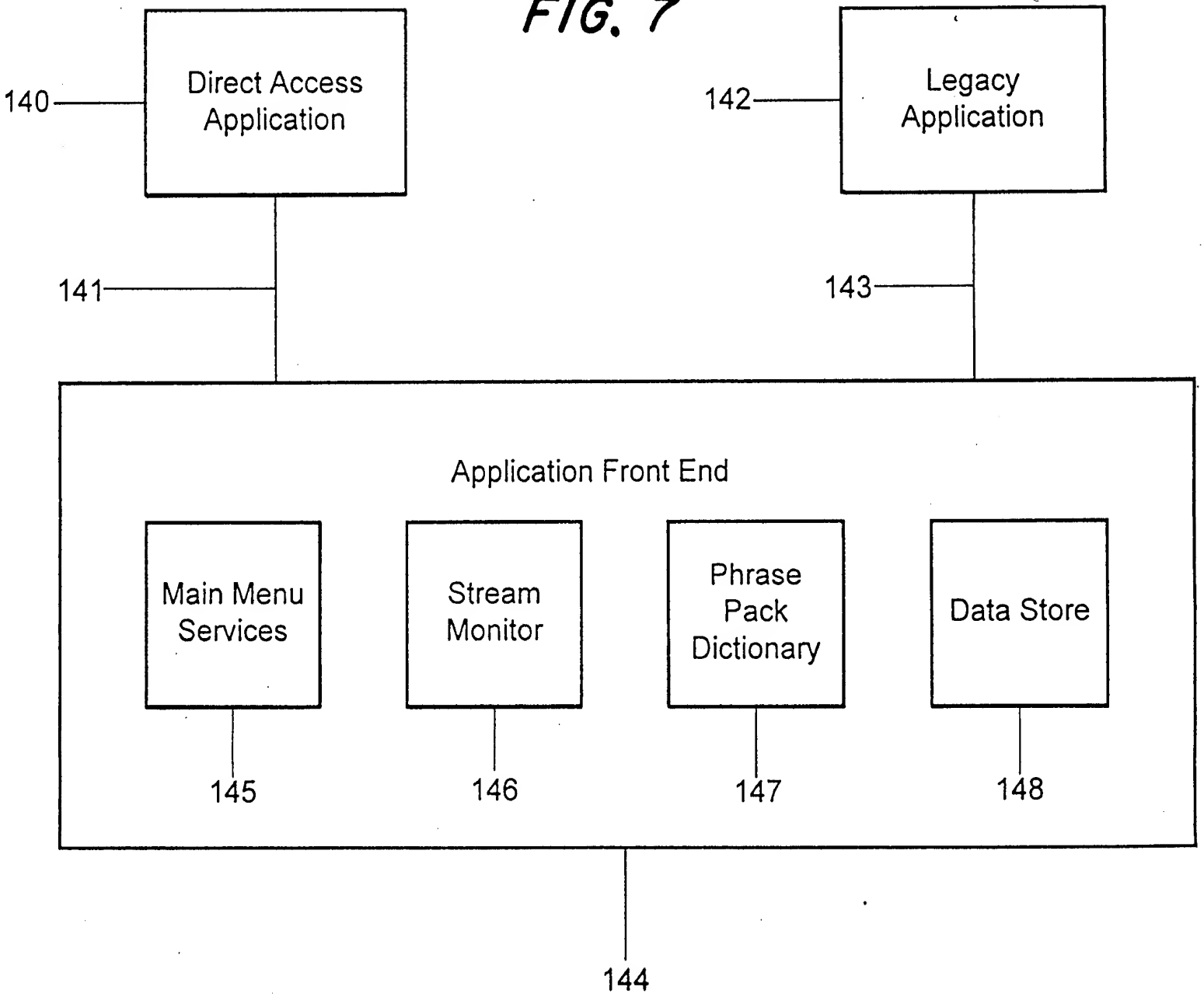

140
Direct Access Application
142
Legacy Application
141
143
Application Front End
Main Menu Services
Stream Monitor
Phrase Pack Dictionary
Data Store
145
146
147
148
144

FIG. 8

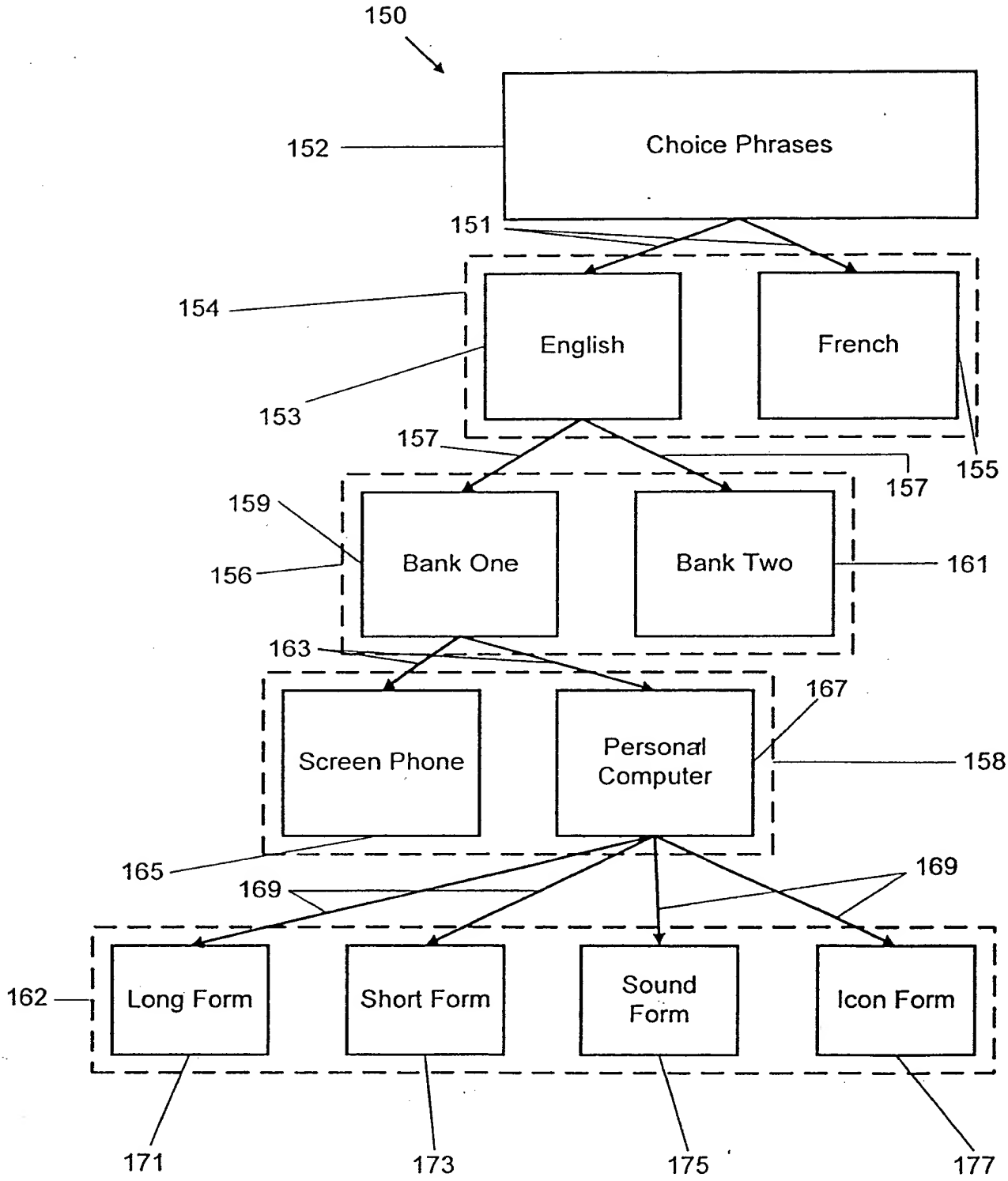

150
Choice Phrases
152
151
154
English
French
153
157
157
155
159
156
Bank One
Bank Two
161
163
167
Screen Phone
Personal Computer
158
165
169
169
162
Long Form
Short Form
Sound Form
Icon Form
171
173
175
177

FIG. 9

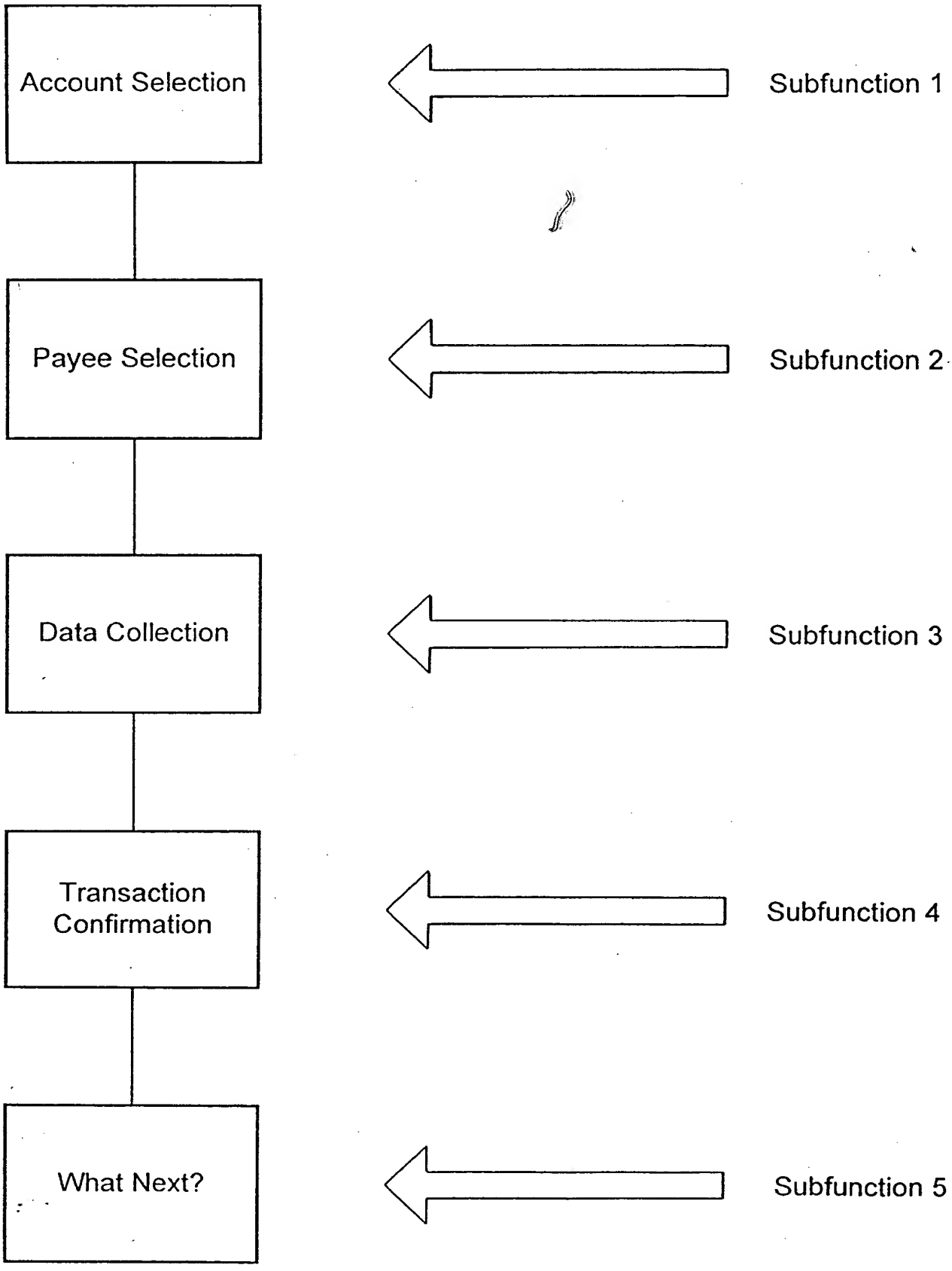

Account Selection
Subfunction 1
Payee Selection
Subfunction 2
Data Collection
Subfunction 3
Transaction Confirmation
Subfunction 4
What Next?
Subfunction 5

FIG. 10

TOKEN TYPE		WINDOW MENU BAR	WINDOW TITLE	WINDOW MENU	WINDOW MENU ITEM	GROUP	TEXT FIELD	TABLE	TABLE HEADER ITEM	TABLE DATA ITEM	TABLE ROW DELIMITER	LIST	LIST ITEM	BUTTON	IMAGE
SCREEN	MAY CONTAIN	1 ONLY	1 ONLY			X	X	X				X		X	X
DIALOG	MAY CONTAIN	1 ONLY	1 ONLY			X	X	X				X		X	X
WINDOW MENU BAR	MAY CONTAIN			X											
WINDOW MENU	MAY CONTAIN			X	X										
GROUP	MAY CONTAIN					X	X	X				X		X	X
TEXT FIELD	MAY CONTAIN													X	X
TABLE	MAY CONTAIN								X	X	X				
TABLE HEADER ITEM	MAY CONTAIN						X							X	X
TABLE DATA ITEM	MAY CONTAIN						X							X	X
LIST	MAY CONTAIN											X	X		
LIST ITEM	MAY CONTAIN						X							X	X
FORCED BREAK	MAY BE USED IN						X		X	X			X	X	
CENTER	MAY MODIFY						X		X	X			X	X	X
LEFT	MAY MODIFY						X		X	X			X	X	X
RIGHT	MAY MODIFY						X		X	X			X	X	X
MONEY	MAY MODIFY						X		X	X			X	X	X
HIGHLIGHT	MAY MODIFY						X		X	X			X	X	X

FIG. 11

TAG ATTRIBUTE	TEMPLATE	STREAM	FULL TAG	ABBREVIATION	DEFAULT	TERMINATED	NOTES
SCREEN	X	X	< SCR...> OR <DLG...>			< /SCR > OR < /DLG >	DLG IS A DIALOG BOX
ID	X	X	ID = name				
BACKGROUND	X		BACKCOLOR = color	BC = color			
WINDOW TITLE	X	X	<WTITLE...>			< /WTITLE >	
ID	X	X	ID = name				
MOVABLE	X		MOVE = [Y\N]		Y		
SIZABLE	X		SIZE = [Y\N]		Y		
CLOSABLE	X		CLOSE = [Y\N]		Y		
TITLE TEXT		X					
WINDOW MENU BAR	X	X	<WMENU...>				
ID	X	X	ID = name				
WINDOW MENU		X	<M...>			< /M >	
ID		X	ID = name				
MENU TEXT		X					
WINDOW MENU ITEM		X	<MI...>			< /MI >	
ID		X	ID = name				
VALUE		X	VALUE = n				
CHOICE ENABLED		X	ENABLED = [TRUE\FALSE]	EN = [T\F]	T		
MENU ITEM TEXT		X					

FIG. 12

TAG ATTRIBUTE	TEMPLATE	STREAM	FULL TAG	ABBREVIATION	DEFAULT	TERMINATED	NOTES
GROUP	X	X	< GROUP...>				CONTAINER: WHAT ELEMENTS CAN BE CONTAINED NEEDS TO BE DEFINED
ID	X	X	ID = name				
STYLE		X	STYLE = known style	ST = style			MENU BAR, BLACKBOX OR TRANSPARANT
SIZE/POSITION	X		X = n Y = n H = n W = n				
OTHER ATTRIBUTES, BASED ON STYLE		X					
TEXT FIELD	X	X	< TXT... >			< /TXT >	
ID	X	X	ID = name				
TEXT ALIGNMENT		X	ALIGN=[LEFT\CENTER\ RIGHT]	AL = [L\C\R]	LEFT		
SIZE/POSITION	X		X = n Y = n H = n W = n				
FONT STYLE	X		FONT= font name	FN = font			
FONT SIZE	X		FONTSIZE = n	FS = n			
FOREGROUND COLOR	X		FORECOLOR = color	FC = color			
BACKGROUND COLOR	X		BACKCOLOR = color	BC = color			
PHRASE PACK		X	PP.LONG = text data	PP. L=text			PHRASE PACK IS A STRUCTURE CONTAINING THE VARIOUS TEXT RENDERINGS ASSOCIATED WITH THE BUTTON
TABLE	X	X	< TABLE... >			< /TABLE >	
ID	X	X	ID = name				
SIZE/POSITION	X		X = n Y = n H = n W = n				
NUMBER OF COLUMNS		X	NUMCOLS = n	NC = n	PER DATA		IF NOT SPECIFIED, THESE ARE SET BY RENDERER
NUMBER OF ROWS		X	NUMROWS = n	NR = n	PER DATA		IF NOT SPECIFIED, THESE ARE SET BY RENDERER

FIG. 13

TAG / ATTRIBUTE	TEMPLATE	STREAM	FULL TAG	ABBREVIATION	DEFAULT	TERMINATED	NOTES
TABLE HEADER		X	< TH... >			<TH>, <TD>, <TR>, OR < /TABLE >	HEADER INFO. (BOLD)
COLUMN SPAN		X	COLSPAN = n		1		
ROW SPAN		X	ROWSPAN = n		1		
ALIGNMENT		X	ALIGN=[LEFT\CENTER\ RIGHT]	AL = [L\C\R]	CENTER		
TABLE TEXT		X					
TABLE DATA		X	< TD...>			<TH>, <TD>, <TR>, OR < /TABLE >	
ROW SPAN		X	COLSPAN = n		1		
ALIGNMENT		X	ROWSPAN = n		1		
TABLE TEXT		X	ALIGN=[LEFT\CENTER\ RIGHT]	AL = [L\C\R]	CENTER		
TABLE ROW		X	< TR >				TERMINATES ROW
LIST			< LIST >			< /LIST >	
ID	X	X					
SIZE /POSITION	X		X = n Y = n H = n W = n				
LIST TYPE		X					
OTHER ATTRIBUTES, DEPENDENT ON TYPE							
LIST ITEM			< LI >				
VALUE		X	VALUE = val	V = x			
SELECTED		X	SELECTED = [YES\NO]	SE = [Y\N]	NO		
LIST ITEM PHRASE PACK		X	PP. LONG = text data	PP. L = text			LONG OR SHORT FORMS

FIG. 14

TAG / ATTRIBUTE	TEMPLATE	STREAM	FULL TAG	ABBREVIATION	DEFAULT	TERMINATED	NOTES
CHOICE	X	X	< BTN... >			< CH... >	
ID	X	X	ID = name				
VALUE		X	VAL = character	V = char			
HOT KEY	X		HOTKEY = key	HK = char			
STYLE		X	STYLE = known style	ST = style			EXIT, CAT BUTTON, MENU BUTTON,TEXT BUTTON, ICON BUTTON...
ALIGNMENT		X	ALIGN = [LEFT\CENTER\ RIGHT]	AL = [L\C\R]	LEFT		
SELECTED		X	SELECTED = [YES\NO]	SE = [Y\N]	NO		
ENABLED		X	ENABLED = [TRUE\FALSE]	EN = [T\F]	TRUE		
SIZE/POSITION	X		X = n Y = n H = n W = n				
ACTION		X	ACTION = [SUBMIT\ SELECT\NXTFLD]	ACT = [SUB\ SEL\NXT]	SUBMIT		
BUTTON PHRASE PACK		X					
BUTTON IMAGE		X	BIMG = image file				ONLY FOR ICONBTN
ADSI SOFT KEY		X	SOFTKEY = [TRUE\FALSE]	SOFT = [T\F]	FALSE		CHOICE SHOULD BE MAPPED TO SOFT KEY
VIRTUAL TERMINAL WINDOW			DETAILS TBD				
ID	X	X					
TYPE/PROTOCOL	X						
SIZE/POSITION	X						
DATA		X					
IMAGE			< IMG...>				
ID	X	X	ID = name				
SIZE/POSITION	X		X = n Y = n H = n W = n				
IMAGE FILE		X	SCRC = Image file				

FIG. 15

TAG							
ATTRIBUTE	TEMPLATE	STREAM	FULL TAG	ABBREVIATION	DEFAULT	TERMINATED	NOTES
INPUT			< INPUT... >			< /INPUT >	
ID	X	X	ID = name				
SIZE/POSITION	X		X = n Y = n H = n W = n				
DATA TYPE		X	TYPE = datatype	TY = dt			ALPHA,NUMERIC,PASSWORD, AMOUNT,ETC.
MAXIMUM LENGTH		X	MAXLEN = n	MAX = n	NONE		
MINIMUM LENGTH		X	MINLEN = n	MIN = n	0		
TAB ORDER		X	TABORDER = n	TAB = n			
STATUS BAR	X	X					
ID	X	X					
OTHER TBD		X					
FORCED LINE BREAK		X	< BR >				
CENTER		X	< CENTER >	< C >		< /CENTER > OR < /C >	MODIFIES ALIGNMENT
LEFT		X	< LEFT >	< L >		< /L >	MODIFIES ALIGNMENT
RIGHT		X	< RIGHT >	< R >		< /R >	MODIFIES ALIGNMENT
MONEY FORMAT		X	< $ >			< /$ >	MODIFIES STYLE
HIGHLIGHT		X	< HL >			< /HL >	MODIFIES STYLE

FIG. 16

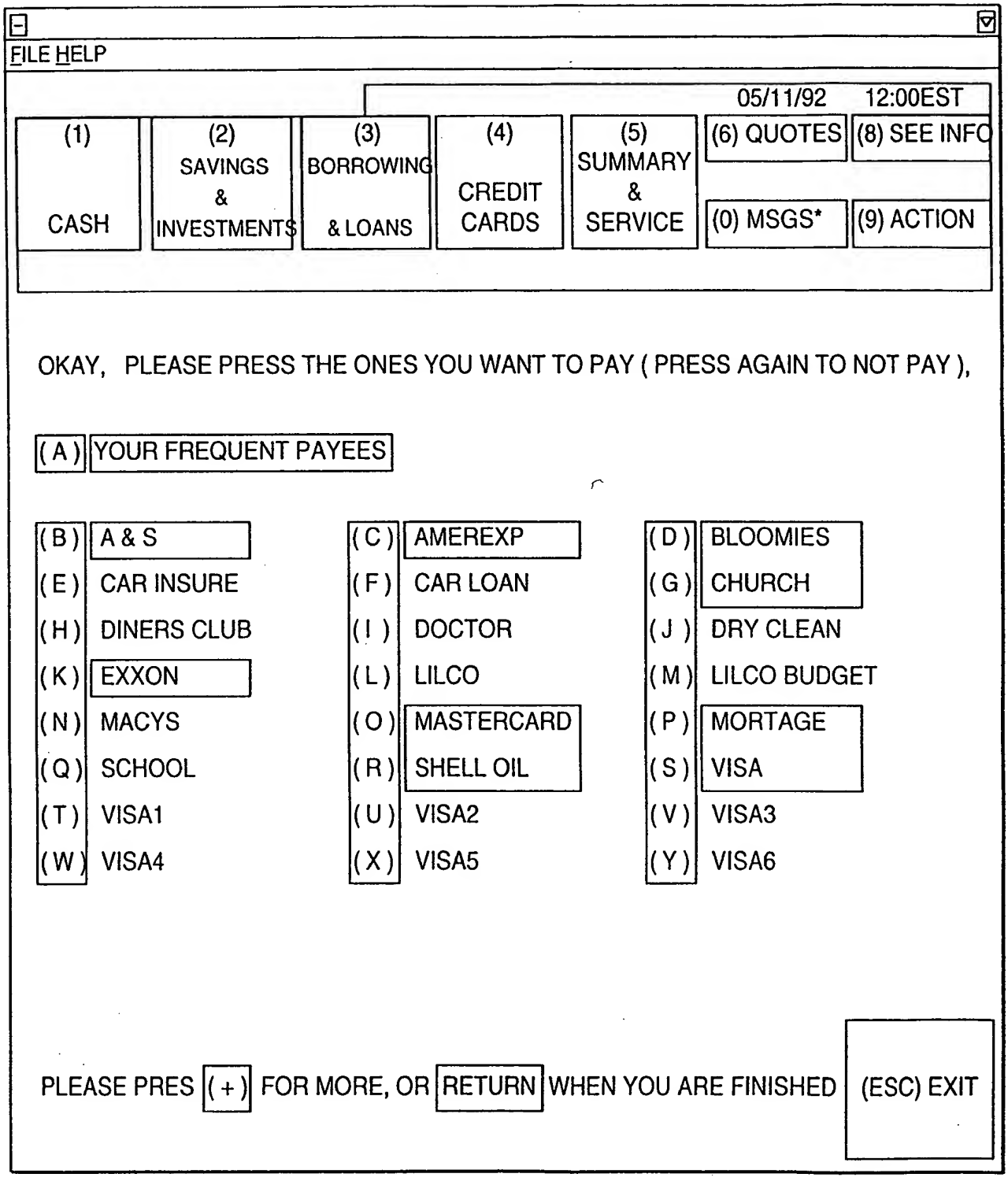
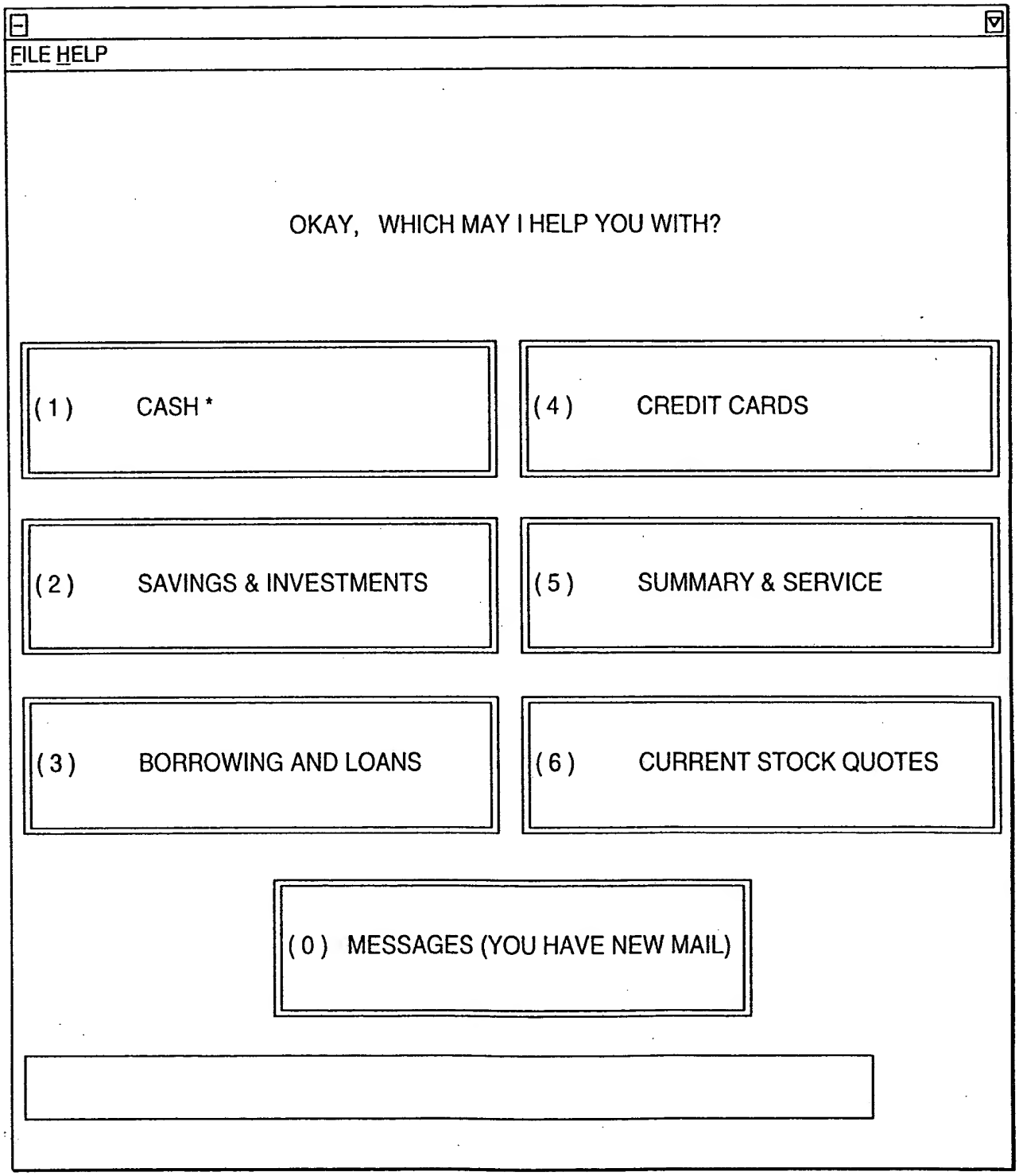

FILE HELP
05/11/92 12:00EST
(1) CASH
(2) SAVINGS & INVESTMENTS
(3) BORROWING & LOANS
(4) CREDIT CARDS
(5) SUMMARY & SERVICE
(6) QUOTES
(8) SEE INFO
(0) MSGS*
(9) ACTION
OKAY, PLEASE PRESS THE ONES YOU WANT TO PAY (PRESS AGAIN TO NOT PAY),
(A) YOUR FREQUENT PAYEES
(B) A & S
(C) AMEREXP
(D) BLOOMIES
(E) CAR INSURE
(F) CAR LOAN
(G) CHURCH
(H) DINERS CLUB
(I) DOCTOR
(J) DRY CLEAN
(K) EXXON
(L) LILCO
(M) LILCO BUDGET
(N) MACYS
(O) MASTERCARD
(P) MORTAGE
(Q) SCHOOL
(R) SHELL OIL
(S) VISA
(T) VISA1
(U) VISA2
(V) VISA3
(W) VISA4
(X) VISA5
(Y) VISA6
PLEASE PRES (+) FOR MORE, OR RETURN WHEN YOU ARE FINISHED
(ESC) EXIT

FIG. 17


FILE HELP
OKAY, WHICH MAY I HELP YOU WITH?
(1) CASH *
(4) CREDIT CARDS
(2) SAVINGS & INVESTMENTS
(5) SUMMARY & SERVICE
(3) BORROWING AND LOANS
(6) CURRENT STOCK QUOTES
(0) MESSAGES (YOU HAVE NEW MAIL)